

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1. (currently amended): An RNA that demonstrates anti-HIV infection activity and is employed in prevention and treatment of AIDS, wherein said RNA is selected from the group consisting of:

a single stranded RNA comprising SEQ ID NO:1, SEQ ID NO:2 or SEQ ID NO:3;

a single stranded RNA comprising a fragment of SEQ ID NO:1, SEQ ID NO:2 or SEQ ID NO:3;

a double stranded RNA derived by annealing of SEQ ID NO:1 and the complementary sequence thereof, SEQ ID NO:2 and the complementary sequence thereof, or SEQ ID NO:3 and the complementary sequence thereof; and

a double stranded RNA derived by annealing of a fragment of SEQ ID NO:1 and the complementary sequence thereof, a fragment of SEQ ID NO:2 and the complementary sequence thereof, or a fragment of SEQ ID NO:3 and the complementary sequence thereof,

wherein said fragment of SEQ ID NO:1, SEQ ID NO:2 or SEQ ID NO:3 is selected from the group consisting of

a 19 nt fragment of SEQ ID NO:1, SEQ ID NO:2 or SEQ ID NO:3;

a 20 nt fragment of SEQ ID NO:1, SEQ ID NO:2 or SEQ ID NO:3;

a 21 nt fragment of SEQ ID NO:1, SEQ ID NO:2 or SEQ ID NO:3;

a 22 nt fragment of SEQ ID NO:1, SEQ ID NO:2 or SEQ ID NO:3;

a 23 nt fragment of SEQ ID NO:1, SEQ ID NO:2 or SEQ ID NO:3;

a 24 nt fragment of ~~SEQ ID NO:2~~ or SEQ ID NO:3;

a 25 nt fragment of ~~SEQ ID NO:2~~ or SEQ ID NO:3;

a 26 nt fragment of ~~SEQ ID NO:2~~ or SEQ ID NO:3;

a 27 nt fragment of SEQ ID NO:3; and

a 28 nt fragment of SEQ ID NO:3;

wherein said 19 nt fragment of SEQ ID NO:1 is selected from the group consisting of
uccaagagggaagcagcaga, caaagagggaagcagcagaa, aaugagggaagcagcagaa, augagggaagcagcagaaug and
ugagggaagcagcagaaugg; and

wherein said 19 nt fragment of SEQ ID NO:2 is selected from the group consisting of
ggaagugacauageaggaa, gaagugacauageaggaae, aagugacauageaggaaeu, agugacauageaggaaeu,
gugacauageaggaaeuac, ugacauageaggaaeuacu, gacauageaggaaeuacua and acauageaggaaeuacua.

2. (previously presented): The RNA of claim 1, wherein said RNA is modified at its 5' end or 3' end by adding two uracil nucleotides.

3. (currently amended): The RNA of claim 1, wherein said RNA is a hairpin RNA consisting of a stem part and a loop part,

wherein said stem part is a double stranded RNA as claimed in claim 1, which is derived by annealing of

~~SEQ ID NO:1 and the complementary sequence thereof,~~

~~SEQ ID NO:2 and the complementary sequence thereof,~~

SEQ ID NO:3 and the complementary sequence thereof,

~~the fragment of SEQ ID NO:1 and the complementary sequence thereof,~~

~~the fragment of SEQ ID NO:2 and the complementary sequence thereof,~~
~~or the fragment of SEQ ID NO:3 and the complementary sequence thereof,~~
and wherein said loop is a non-complementary spacer.

4. **(currently amended):** A single-stranded or double-stranded DNA that ~~demonstrates anti-HIV infection activity and is employed in prevention and treatment of AIDS,~~ wherein:

1) said single-stranded DNA or one strand of said double-stranded DNA corresponds to the RNA of claim 1, or its complementary sequence; or

2) said single-stranded DNA or one strand of said double-stranded DNA corresponds to the RNA of claim 2, or its complementary sequence; or

3) said single-stranded DNA or one strand of said double-stranded DNA corresponds to the RNA of claim 3, or its complementary sequence.

5. **(currently amended):** An expression vector that ~~demonstrates anti-HIV infection activity and is employed in prevention and treatment of AIDS,~~ wherein said vector ~~contains comprising any of the RNA of any one of claims 1-3 or the DNA of claim 4.~~

6. **(currently amended):** A liposome that ~~demonstrates anti-HIV infection activity and is employed in prevention and treatment of AIDS,~~ wherein said liposome coats any ~~of encapsulating the RNA of any one of claims 1-3, or the DNA of claim 4.~~

7-8. **(canceled).**

9. (currently amended): A liposome ~~that demonstrates anti-HIV infection activity and is employed in prevention and treatment of AIDS, wherein said liposome coats~~encapsulating the vector of Claim 5.

10-12. (canceled).

13. (new): An expression vector comprising the DNA of claim 4.

14. (new): A liposome encapsulating the DNA of claim 4.

15. (new): A liposome encapsulating the vector of Claim 13.